

WHAT IS CLAIMED IS:

1	1.	A plant comprising a recombinant expression cassette, the
2	expression cassette comprising a promoter and a nucleic acid sequence encoding an	
3	inhibitor of a farnesyltransferase.	
1.	2.	A plant of claim 1, wherein said promoter is a promoter
2	preferentially expre	essed in guard cells.
1	3.	A plant of claim 1, wherein said inhibitor is a protein.
1	4.	A seed containing a nucleic acid construct of claim 1.
1	5.	A cell or tissue culture containing a nucleic acid construct of claim
2	1.	
1	6.	A plant regenerated from a cell or tissue culture of claim 5.
1	7.	A method of inhibiting farnesyltransferase in a plant, comprising
2	introducing into a plant a recombinant expression cassette comprising a promoter	
3	operably linked to a nucleic acid encoding an inhibitor of farnesyltransferase, whereby	
4	the inhibitor is expressed in said plant.	
1	8.	A method of claim 7, wherein the promoter is specific for
2	expression in guard cells.	
1	9.	A method of claim 7, wherein the inhibitor is an inhibitor of the
2	farnesyltransferase alpha-subunit.	
1	10.	A method of claim 7, wherein the inhibitor is an inhibitor of the
2	farnesyltransferase beta-subunit.	
1	11.	A method of claim 7, wherein said inhibitor is a protein.
1	12.	A method of claim 7, wherein the recombinant expression cassette
2	is introduced into the	ne plant by Agrobacterium.



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1	13. A method of claim 7, wherein the recombinant expression cassette		
2	is introduced into the plant by contacting the plant with nucleic acid coated- or		
3	containing- microparticles.		
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1	14. A method of claim 7, wherein the recombinant expression cassette		
2	is introduced into the plant by sexual cross.		
1	15. A method of inhibiting farnesyltransferase in a plant, comprising		
2	introducing into a plant an isolated nucleic acid complementary to at least 30 nucleotides		
3	of a nucleic acid sequence encoding farnesyltransferase, thereby interfering with the		
4	expression of farnesyltransferase.		
1	16. A method of claim 15, wherein the isolated nucleic acid is		
2	complementary to an alpha-subunit of farnesyltransferase.		
1	17. A method of claim 15, wherein the isolated nucleic acid is		
2	complementary to a beta-subunit of farnesyltransferase		
1	18. A method of inhibiting farnesyltransferase in a plant, comprising		
2	contacting the plant with an inhibitor of farnesyltransferase, whereby the inhibitor inhibits		
3	farnesyltransferase in the plant.		
1	19. The method of claim 18, wherein irrigation water comprising the		
2	inhibitor contacts the plant.		
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1	20. The method of claim 18, wherein the inhibitor contacts the plant		
2	through foliar application.		
1	21. The method of claim 18, wherein the inhibitor is manumycin.		
1	22. The method of claim 18, wherein the inhibitor is α -		
2	hydoxyfarnesylphosphonic acid.		
1	A method of producing a plant with reduced farnesyltransferase		
2	activity, comprising mutating a promoter region of a nucleic acid sequence encoding		
2 3	farmesyltransferase and selecting mutants with reduced expression of farmesyltransferase		

1 24 A composition comprising an inhibitor of farnesyltransferase and a 2 member of the group selected from a pesticide and a fertilizer.